

chain nodes :

9 17 21 22 26 30 31

ring nodes :

1 2 3 4 5 6 7 10 11 12 13 14 16 18 19 20 23 24 25 27 28 29

chain bonds :

6-9 16-17 20-22 25-26 29-31

ring bonds :

1-2 1-5 2-3 3-4 3-29 4-5 4-6 6-7 7-10 10-11 11-12 12-13 13-14 14-16 16-18
18-19 19-20 20-23 23-24 24-25 25-27 27-28 28-29

exact/norm bonds :

1-2 1-5 2-3 3-4 3-29 4-5 4-6 6-7 6-9 7-10 10-11 11-12 12-13 13-14 14-16
16-17 16-18 18-19 19-20 20-22 20-23 23-24 24-25 25-26 25-27 27-28 28-29 29-31

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 9:CLASS 10:Atom 11:Atom 12:Atom
13:Atom 14:CLASS 16:Atom 17:CLASS 18:Atom 19:Atom 20:Atom 21:CLASS 22:CLASS
23:Atom 24:Atom 25:Atom 26:CLASS 27:Atom 28:Atom 29:Atom 30:CLASS 31:CLASS

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the present
NEWS 4 Jul 15 Data from 1960-1976 added to RDISCLOSURE
NEWS 5 Jul 21 Identification of STN records implemented
NEWS 6 Jul 21 Polymer class term count added to REGISTRY
NEWS 7 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 8 AUG 05 New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 9 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 10 AUG 15 PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 11 AUG 15 PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 12 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 13 AUG 15 TEMA: one FREE connect hour, per account, in September 2003
NEWS 14 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 15 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 16 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 17 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 18 SEP 22 DIPPR file reloaded
NEWS 19 SEP 25 INPADOC: Legal Status data to be reloaded
NEWS 20 SEP 29 DISSABS now available on STN

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:31:56 ON 01 OCT 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:32:02 ON 01 OCT 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 SEP 2003 HIGHEST RN 595542-94-2
DICTIONARY FILE UPDATES: 29 SEP 2003 HIGHEST RN 595542-94-2

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

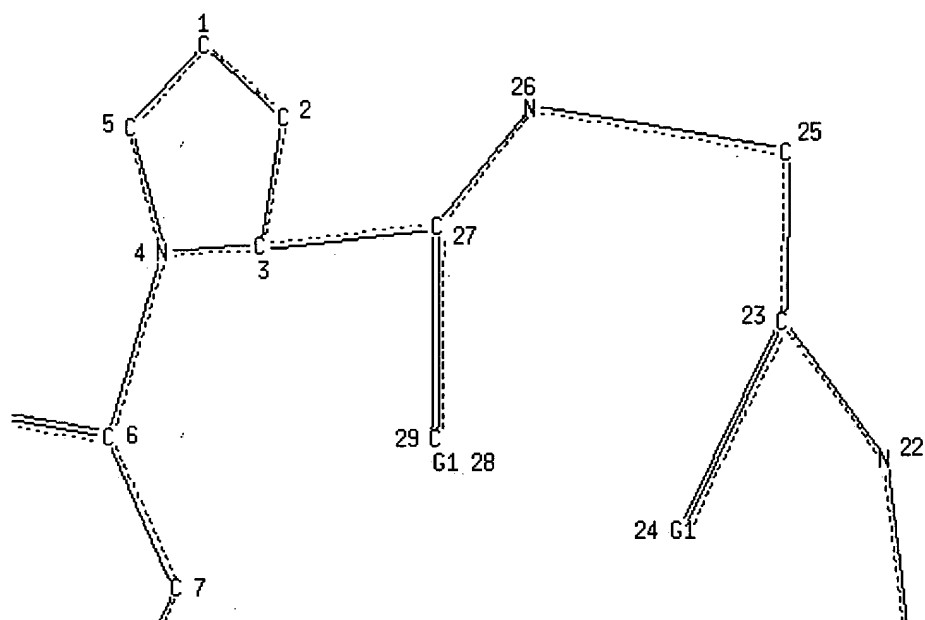
Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
L1 STRUCTURE UPLOADED

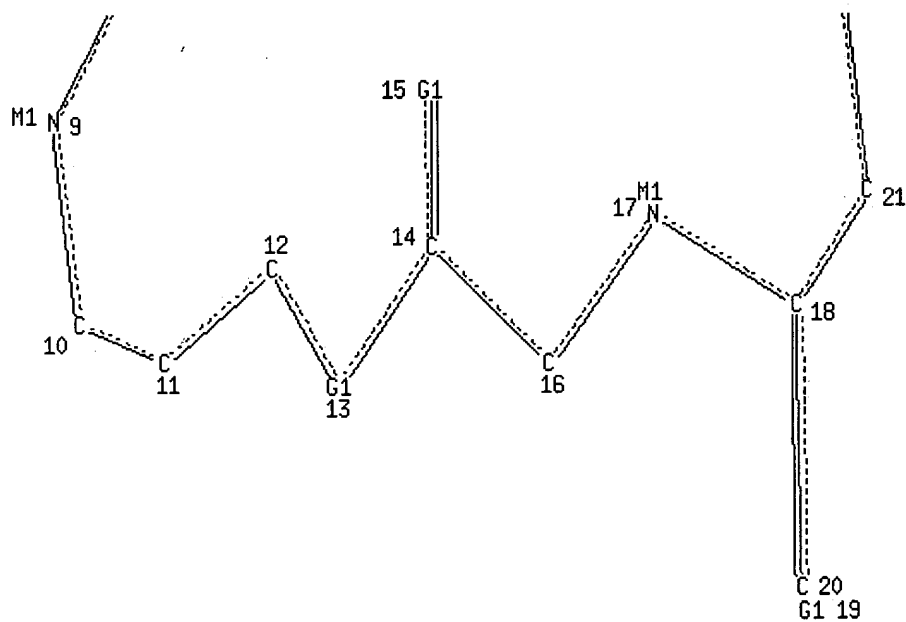
=> d 11
L1 HAS NO ANSWERS
L1 STR
0 30 S 31

8 C1

Page 1-A



Page 1-B



Page 2-B

VAR G1=30/31

NODE ATTRIBUTES:

HCOUNT	IS M1	AT	9
HCOUNT	IS M1	AT	17
NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS R	AT	7
NSPEC	IS C	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS R	AT	11
NSPEC	IS R	AT	12

NSPEC IS R AT 13
 NSPEC IS R AT 14
 NSPEC IS C AT 15
 NSPEC IS R AT 16
 NSPEC IS R AT 17
 NSPEC IS R AT 18
 NSPEC IS C AT 19
 NSPEC IS C AT 20
 NSPEC IS R AT 21
 NSPEC IS R AT 22
 NSPEC IS R AT 23
 NSPEC IS C AT 24
 NSPEC IS R AT 25
 NSPEC IS R AT 26
 NSPEC IS R AT 27
 NSPEC IS C AT 28
 NSPEC IS C AT 29
 DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 20 29 30 31
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 31

STEREO ATTRIBUTES: NONE

=> s l1

SAMPLE SEARCH INITIATED 07:35:58 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 135 TO ITERATE

100.0% PROCESSED 135 ITERATIONS
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 2003 TO 3397
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 147.75 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
 FULL SEARCH INITIATED 07:36:03 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 2816 TO ITERATE

100.0% PROCESSED 2816 ITERATIONS
 SEARCH TIME: 00.00.01

0 ANSWERS

L3 0 SEA SSS FUL L1

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	150.55	150.76

STN INTERNATIONAL LOGOFF AT 07:36:07 ON 01 OCT 2003

